AUTODOC CLUB

How to change spark plugs on **Toyota Auris E15** – replacement guide

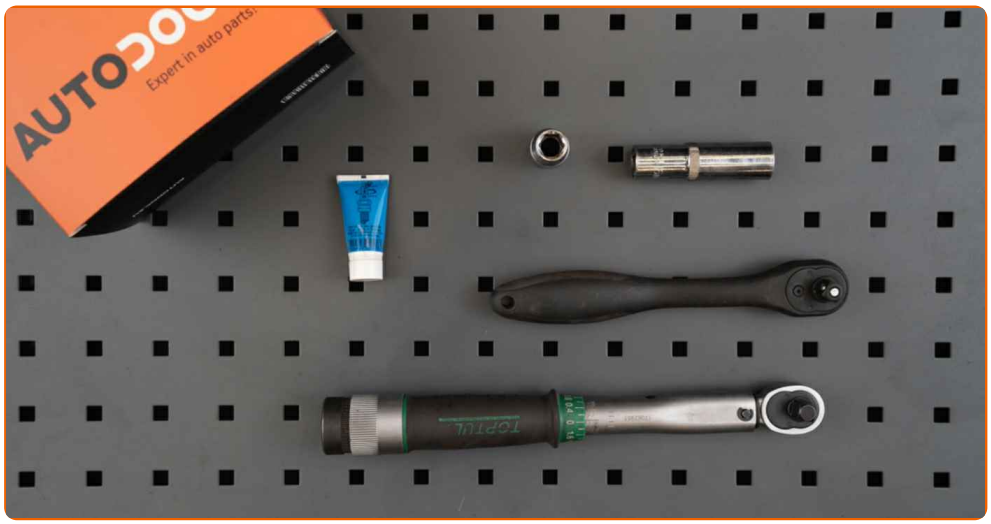
VIDEO TUTORIAL

Important!

This replacement procedure can be used for:
TOYOTA Urban Cruiser (_P1_) 1.33 (NSP110_), TOYOTA Verso S (_P12_) 1.33 (NSP120_), TOYOTA Yaris Hatchback (_P9_) 1.33 VVT-i (NSP90_), TOYOTA PRIUS PLUS (ZVW4_) 1.8 Hybrid (ZVW4_), TOYOTA Yaris Hatchback (_P13_) 1.3 (NSP130_), TOYOTA AURIS (NRE15_, ZZE15_, ADE15_, ZRE15_, NDE15_) 1.6 (ZRE151_), TOYOTA Yaris Hatchback (_P9_) 1.8 VVTi (ZSP90_), TOYOTA COROLLA Saloon (E15_) 1.6 Dual VVTi (ZRE141), TOYOTA AVENSIS Saloon (ZRT27, ADT27) 1.6 (ZRT270_), TOYOTA AVENSIS Saloon (ZRT27, ADT27) 1.8 (ZRT271_), TOYOTA AVENSIS Saloon (ZRT27, ADT27) 2.0 (ZRT272_), TOYOTA AVENSIS Estate (ZRT27, ADT27) 1.6 (ZRT270_), TOYOTA AVENSIS Estate (ZRT27, ADT27) 1.8 (ZRT271_), TOYOTA AVENSIS Estate (ZRT27, ADT27) 2.0 (ZRT272_), TOYOTA AURIS (NRE15_, ZZE15_, ADE15_, ZRE15_, NDE15_) 1.33 Dual-VVTi (NRE150_), (+ 26)

The steps may slightly vary depending on the car design.

REPLACEMENT: SPARK PLUGS – TOYOTA AURIS E15.
TOOLS YOU'LL NEED:



- Electronic spray
- High-temperature anti-seize lubricant
- Drive socket # 10
- Spark plug socket # 16
- Ratchet wrench
- Torque wrench
- Fender cover

BUY TOOLS

Replacement: spark plugs – Toyota Auris E15. Professionals recommend:

- The replacement procedure is the same for all spark plugs.
- Please note: all work on the car – Toyota Auris E15 – should be done with the engine switched off.

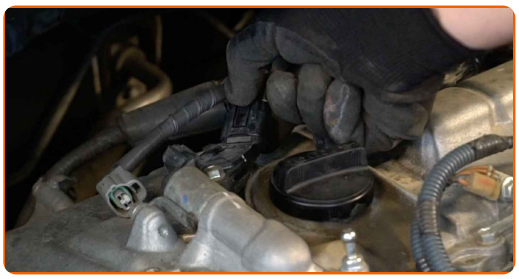
CARRY OUT REPLACEMENT IN THE FOLLOWING ORDER:

1 Open the bonnet.

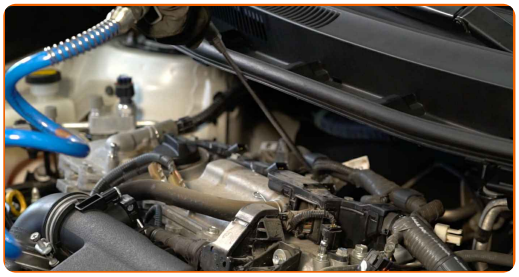
2 Use a fender protection cover to prevent damaging paintwork and plastic parts of the car.

3 Remove the engine cover.

4 Unplug the connectors from the ignition coils.

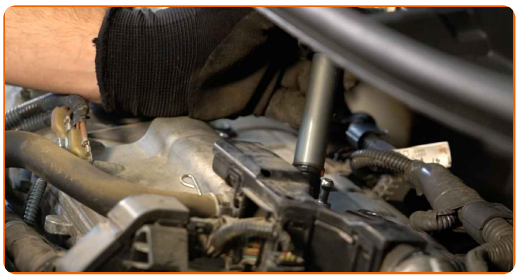


5 Clean the ignition coils.



6 Unscrew the fasteners of the ignition coils. Use a drive socket #10. Use a ratchet wrench.

7 Take out the ignition coils from the spark plug wells.

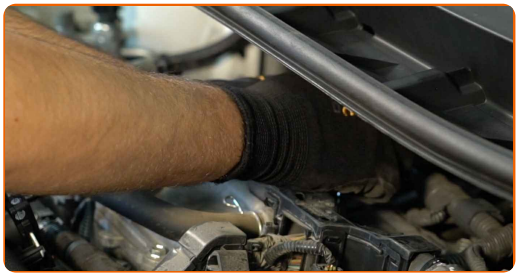


Replacement: spark plugs – Toyota Auris E15. AUTODOC recommends:

- Remember the sequence of steps for ignition coil demounting.

8 Clean dirt, dust and debris from inside the spark plug wells.

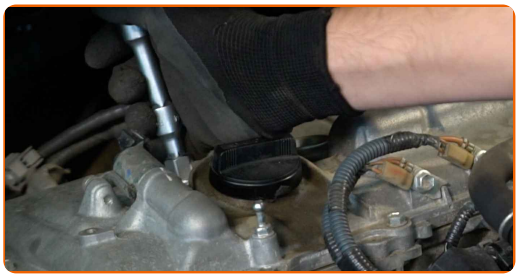
9 Unscrew the spark plugs. Use the spark plug socket #16. Use a ratchet wrench.



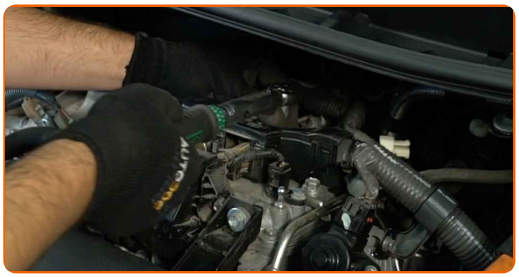
10 Take out the spark plugs.

11 Apply a thin layer of a special high temperature anti-seize lubricant to the threads of the new spark plugs.

12 Install the new spark plugs into their mounting seats. Use the spark plug socket #16.



13 Screw new spark plugs and tighten them. Use the spark plug socket #16. Use a torque wrench. Tighten it to 20 nm torque.



Replacement: spark plugs – Toyota Auris E15. AUTODOC experts recommend:

- Don't tighten the plugs with excessive force. Exceeding tightening torque can damage the thread connection.
- Be careful when working with a spark plug wrench. Its skewing can cause damage to the threaded connection.

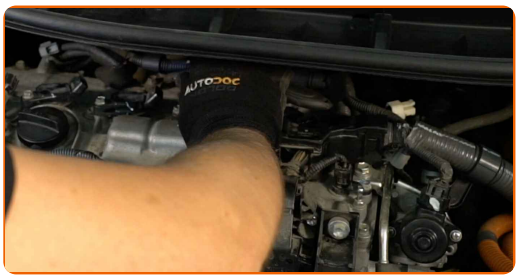
14 Treat the ignition coil tips. Use high-temperature grease.

15 Install the ignition coils to the spark plug wells. Make sure you hear a click indicating that it is locked in place.

AUTODOC recommends:

- Replacement: spark plugs – Toyota Auris E15. Follow the installation steps.

16 Tighten the fasteners of the ignition coils. Use a drive socket #10. Use a ratchet wrench.



17 Treat the ignition coil connector with electronic spray. The spray will protect the electrical contacts from corrosion, oxidation, and will reduce the contact resistance.

18 Plug in the connectors of the ignition coils.

19 Install the engine cover and secure it.

AUTODOC recommends:

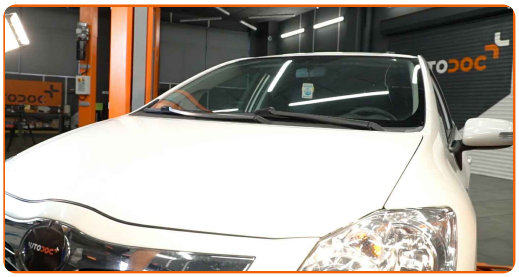
- Make sure the engine cover is properly seated. It should not be displaced with respect to the guiding fasteners.
- Replacement: spark plugs – Toyota Auris E15. Do not use excessive force during installation. This may damage the fasteners.

20 Run the engine for a few minutes. This is necessary in order to make sure that the component operates properly.

21 Shut off the engine.

22 Remove the fender protection cover.

23 Close the hood.



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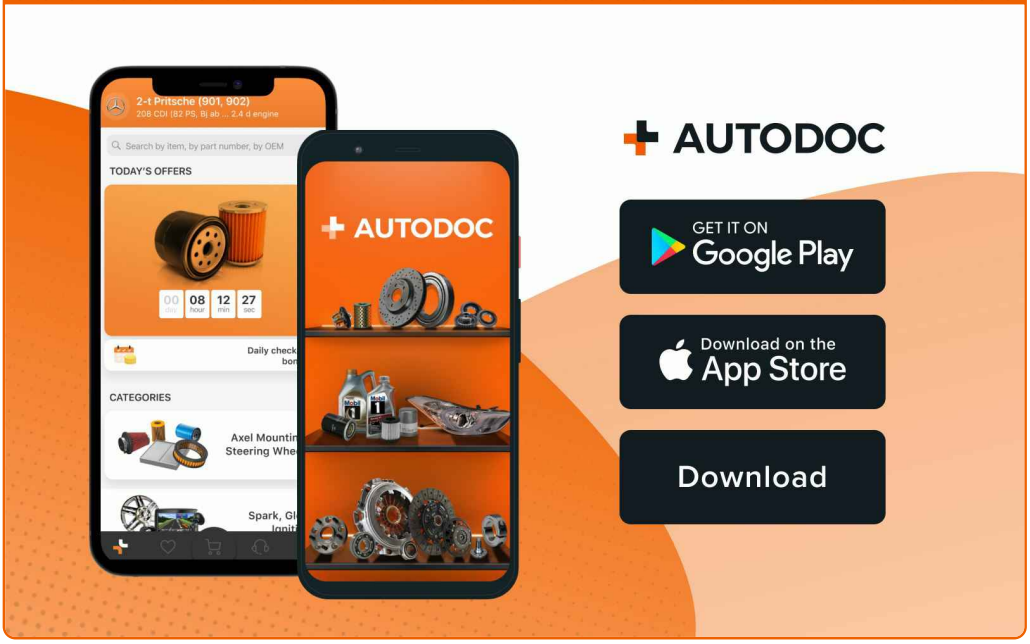

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